

Data File : VU029245.D
Acq On : 21 Jan 2019 13:44
Operator : JC/SP
Sample : PB116506ZHE#05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#05

Quant Time: Jan 22 01:09:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	114187	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	202200	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	190726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	76286	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	76485	54.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.36%	
35) Dibromofluoromethane	4.88	113	68217	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
50) Toluene-d8	7.56	98	262701	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
62) 4-Bromofluorobenzene	10.30	95	82776	44.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.02%	

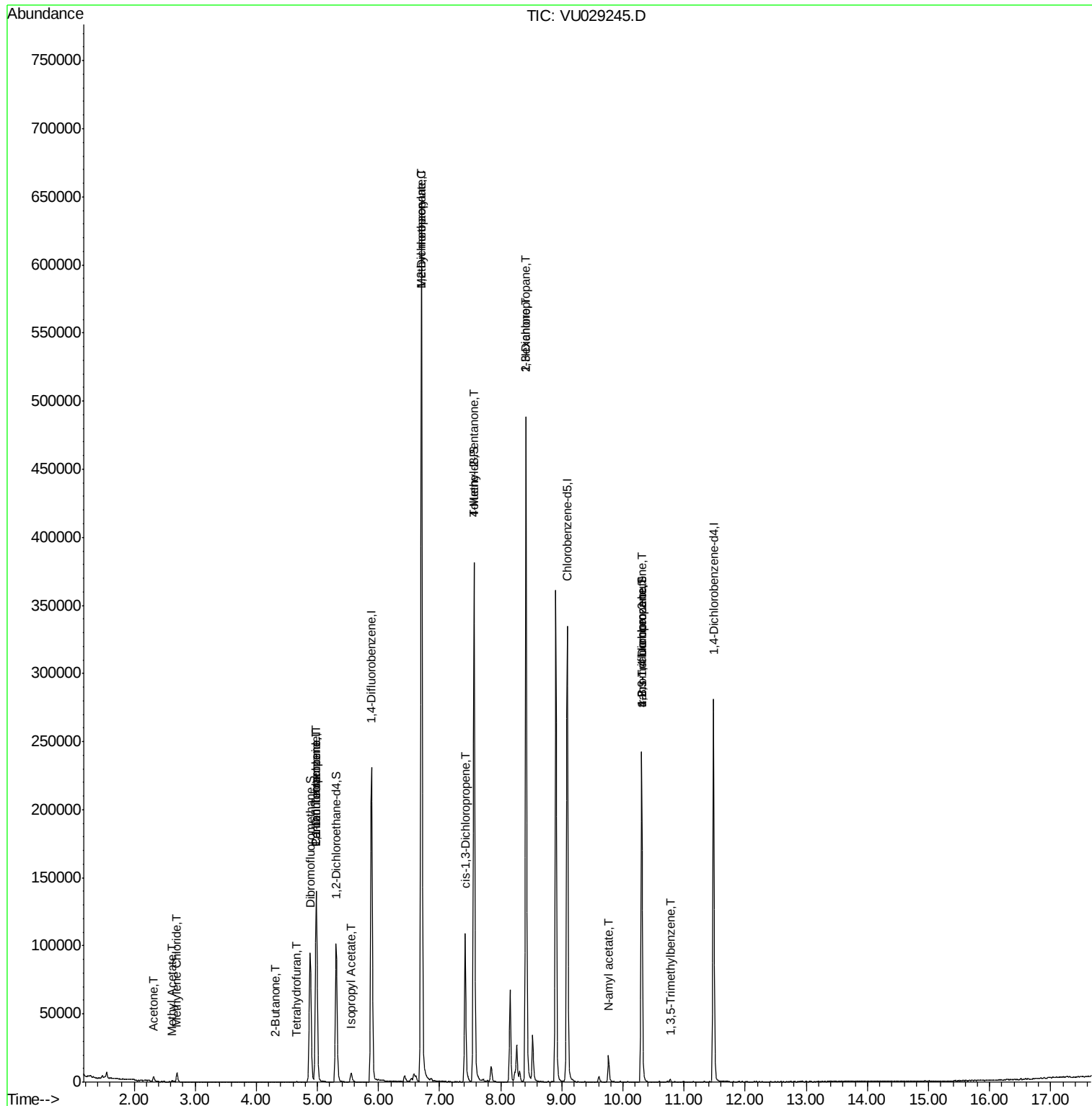
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	636	Below Cal		90
16) Acetone	2.32	43	4546	5.112	ug/l	96
17) Carbon Disulfide	2.48	76	374	Below Cal	#	75
18) Methyl Acetate	2.62	43	1320	0.638	ug/l #	62
20) Methylene Chloride	2.70	84	3348	2.218	ug/l	94
25) 2-Butanone	4.31	43	257	0.214	ug/l #	47
29) Tetrahydrofuran	4.64	42	217	0.298	ug/l #	37
31) Cyclohexane	4.98	56	1801	Below Cal	#	1
36) 1,1-Dichloropropene	4.98	75	8106	4.011	ug/l #	44
38) Carbon Tetrachloride	4.98	117	10629	6.305	ug/l #	17
43) Isopropyl Acetate	5.55	43	8342	2.451	ug/l	93
45) 1,2-Dichloropropane	6.70	63	748	0.449	ug/l #	43
48) Methyl methacrylate	6.70	41	52989	31.978	ug/l #	37
51) 4-Methyl-2-Pentanone	7.56	43	5255	2.269	ug/l	94
54) cis-1,3-Dichloropropene	7.42	75	20329	7.993	ug/l #	60
57) 1,3-Dichloropropane	8.41	76	4672	1.776	ug/l #	42
59) 2-Hexanone	8.41	43	65800	36.194	ug/l #	48
74) N-amyl acetate	9.76	43	5998	2.465	ug/l #	48
76) 1,2,3-Trichloropropane	10.30	75	40254	21.536	ug/l #	36
80) 1,3,5-Trimethylbenzene	10.77	105	1246	0.264	ug/l	91
81) trans-1,4-Dichloro-2-buten	10.30	75	40254	55.543	ug/l #	100

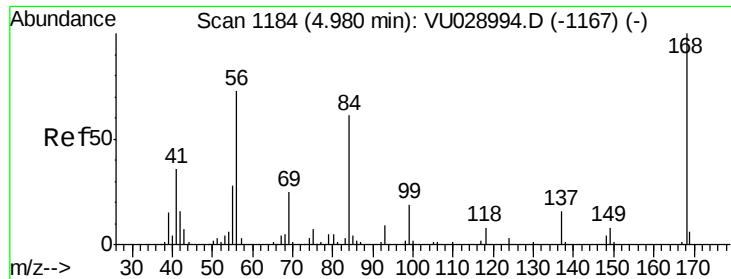
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU029245.D
Acq On : 21 Jan 2019 13:44
Operator : JC/SP
Sample : PB116506ZHE#05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#05

Quant Time: Jan 22 01:09:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 12 01:33:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

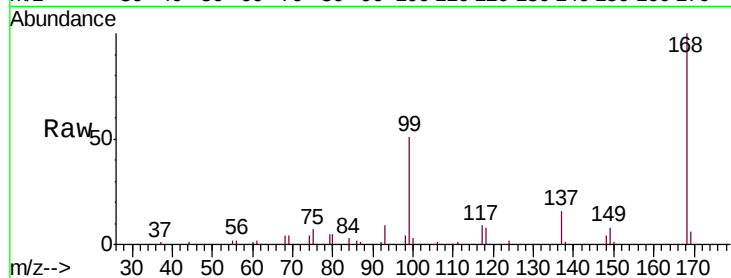
PB116506ZHE#05

Tgt Ion:168 Resp: 114187

Ion Ratio Lower Upper

168 100

99 51.4 42.0 63.0



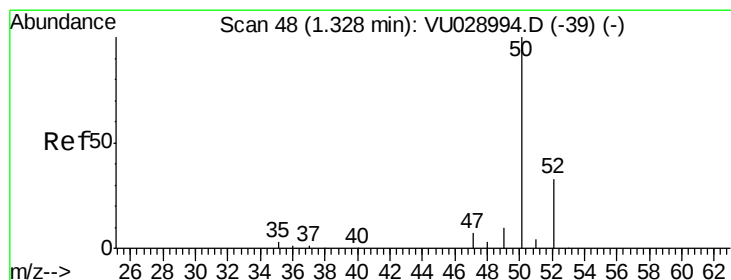
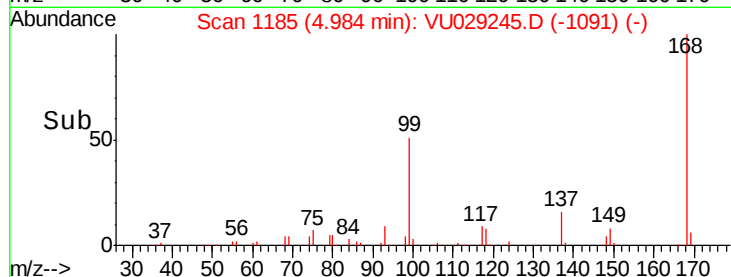
Abundance Ion 167.90 (167.60 to 168.60): VU028994.D (-1167) (-)

Ion 98.90 (98.60 to 99.60): VU028994.D (-1167) (-)

4.98

4.90 4.95 5.00 5.05 5.10

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU029245.D

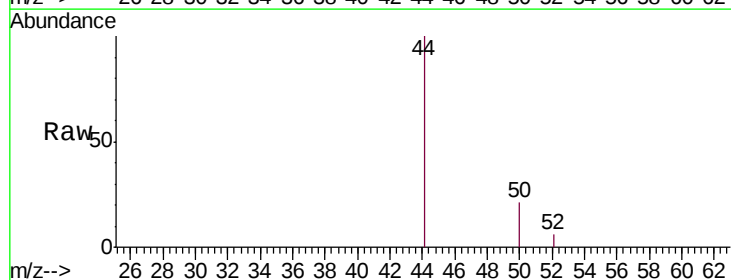
Acq: 21 Jan 2019 13:44

Tgt Ion: 50 Resp: 636

Ion Ratio Lower Upper

50 100

52 26.8 26.1 39.1



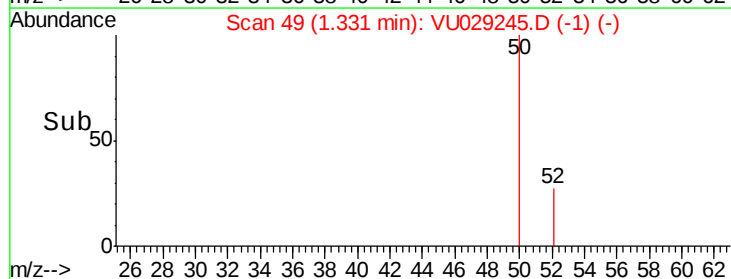
Abundance Ion 49.90 (49.60 to 50.60): VU028994.D (-39) (-)

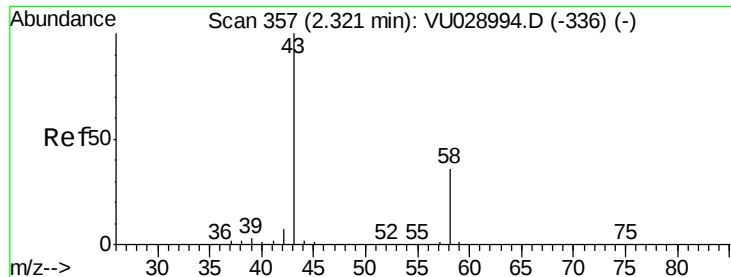
Ion 51.90 (51.60 to 52.60): VU028994.D (-39) (-)

1.33

1.30 1.32 1.34 1.36

Time-->





#16

Acetone

Concen: 5.112 ug/l

RT: 2.32 min Scan# 357

Delta R.T. 0.00 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

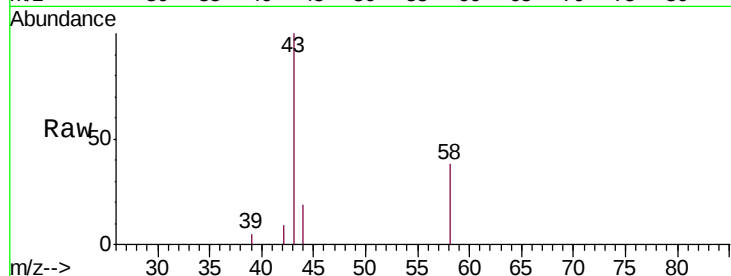
PB116506ZHE#05

Tgt Ion: 43 Resp: 4546

Ion Ratio Lower Upper

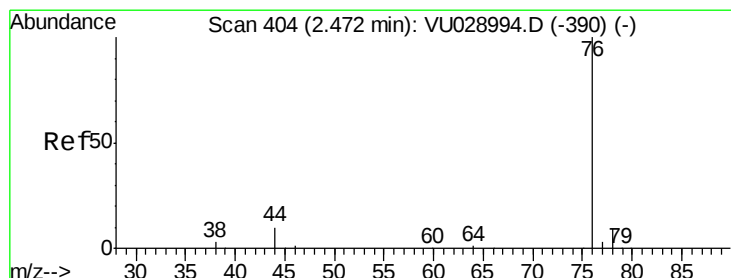
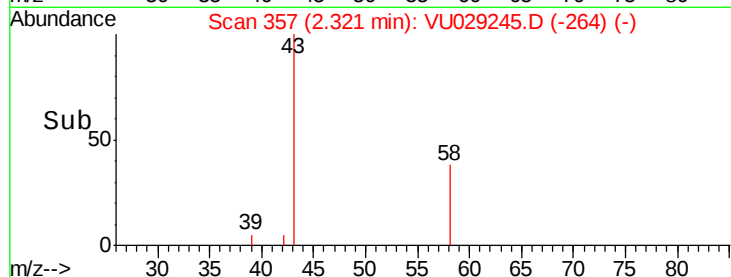
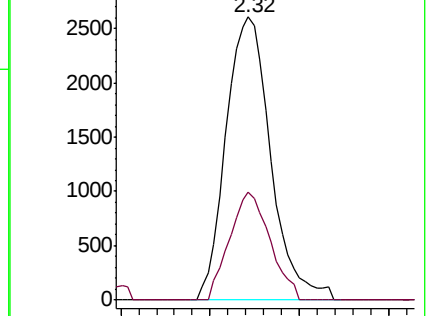
43 100

58 38.2 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VU028994.D (-336) (-)

Ion 58.00 (57.70 to 58.70): VU028994.D (-336) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU029245.D

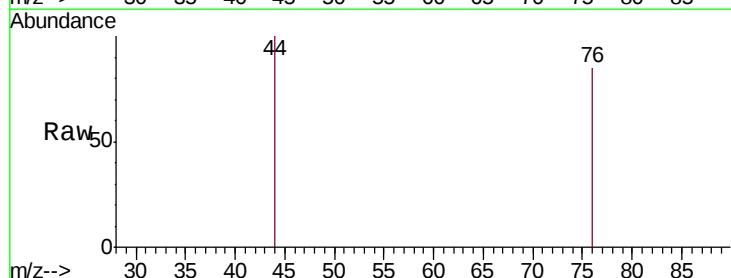
Acq: 21 Jan 2019 13:44

Tgt Ion: 76 Resp: 374

Ion Ratio Lower Upper

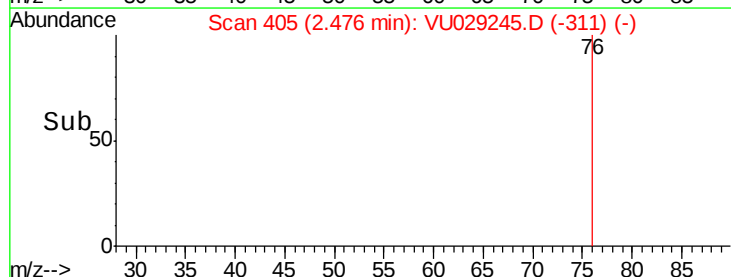
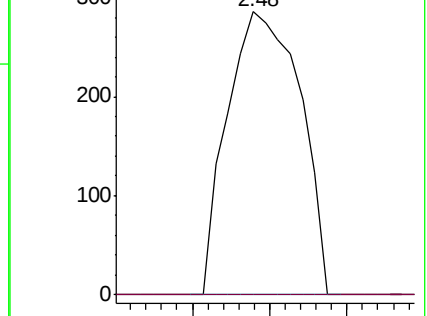
76 100

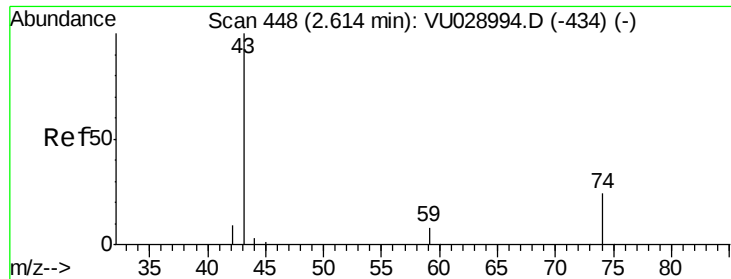
78 0.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VU028994.D (-390) (-)

Ion 77.90 (77.60 to 78.60): VU028994.D (-390) (-)

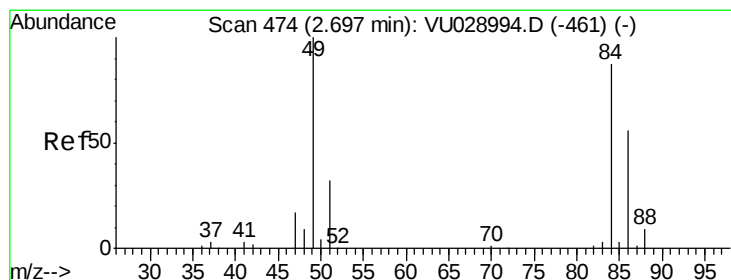
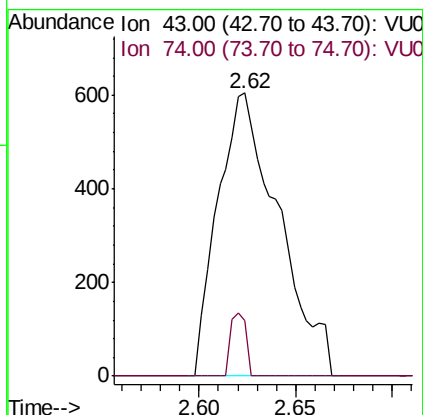
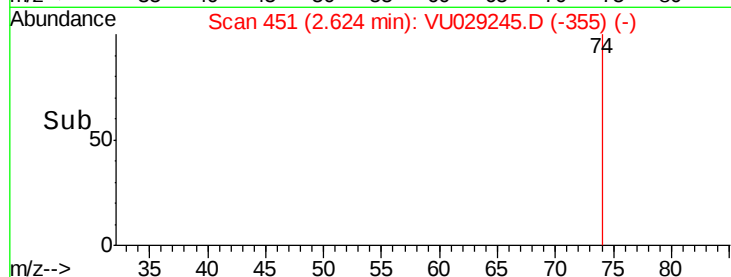
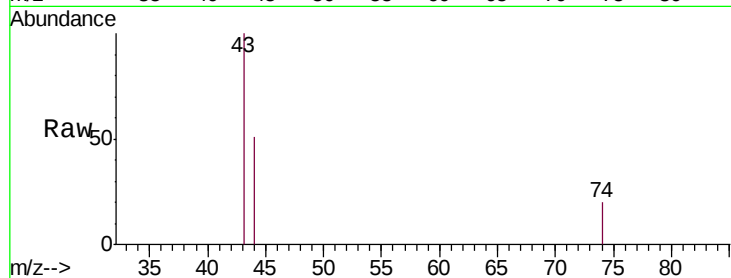




#18
Methyl Acetate
Concen: 0.638 ug/l
RT: 2.62 min Scan# 451
Delta R.T. 0.01 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

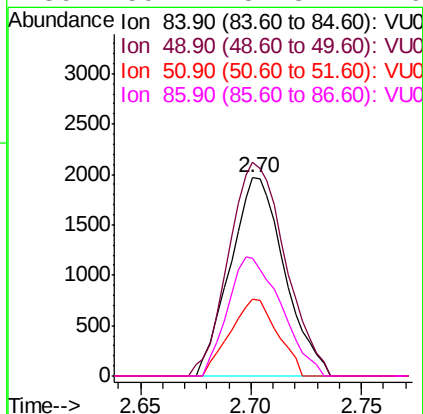
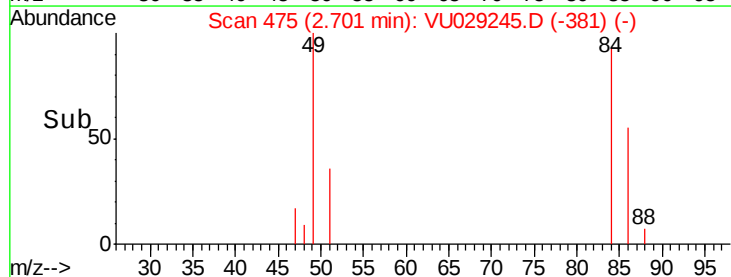
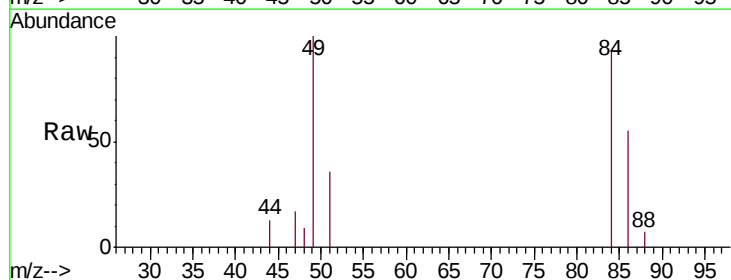
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#05

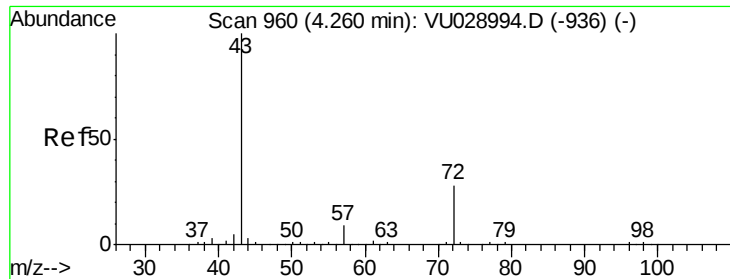
Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
74 5.5 19.5 29.3#



#20
Methylene Chloride
Concen: 2.218 ug/l
RT: 2.70 min Scan# 475
Delta R.T. 0.00 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

Tgt Ion: 84 Resp: 3348
Ion Ratio Lower Upper
84 100
49 107.9 91.9 137.9
51 38.6 29.2 43.8
86 59.2 51.8 77.6





#25

2-Butanone

Concen: 0.214 ug/l

RT: 4.31 min Scan# 975

Delta R.T. 0.05 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

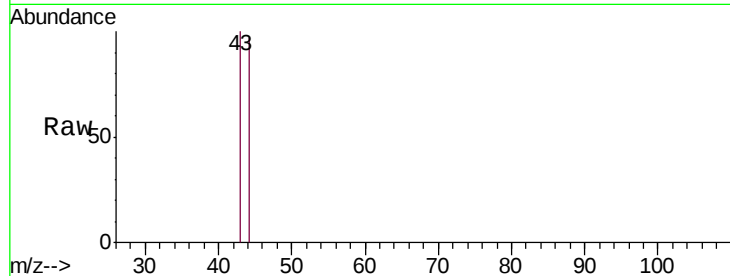
PB116506ZHE#05

Tgt Ion: 43 Resp: 257

Ion Ratio Lower Upper

43 100

72 0.0 22.6 33.8#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

4.31

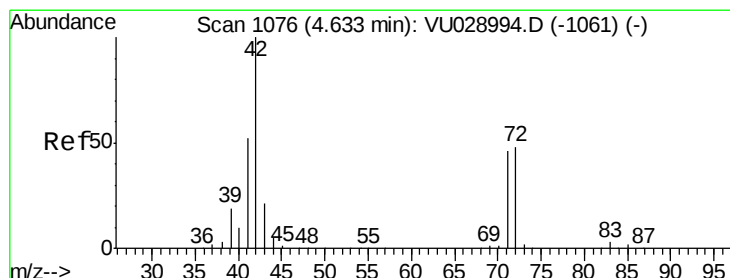
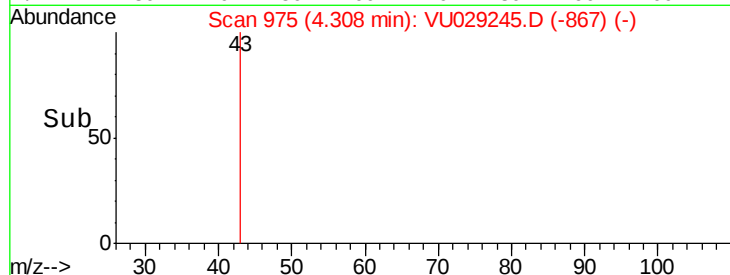
150

100

50

0

Time-->



#29

Tetrahydrofuran

Concen: 0.298 ug/l

RT: 4.64 min Scan# 1079

Delta R.T. 0.01 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

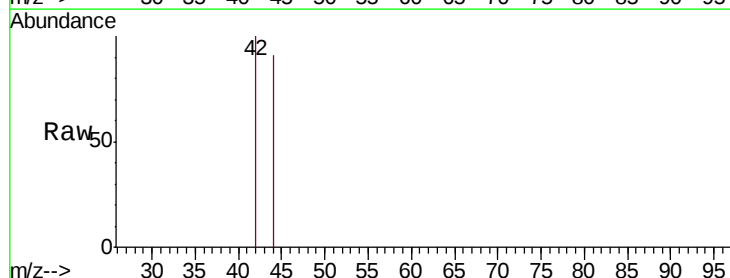
Tgt Ion: 42 Resp: 217

Ion Ratio Lower Upper

42 100

72 8.8 38.3 57.5#

71 0.0 36.1 54.1#



Abundance Ion 42.00 (41.70 to 42.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

Ion 71.00 (70.70 to 71.70): VU0

200

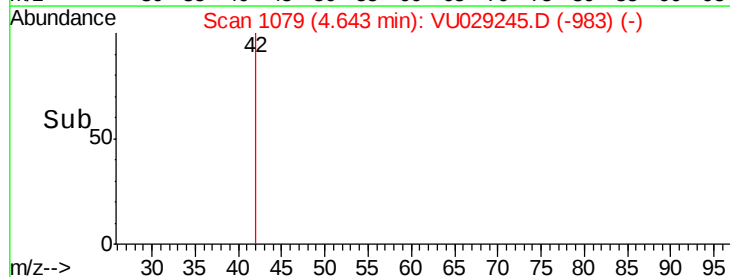
150

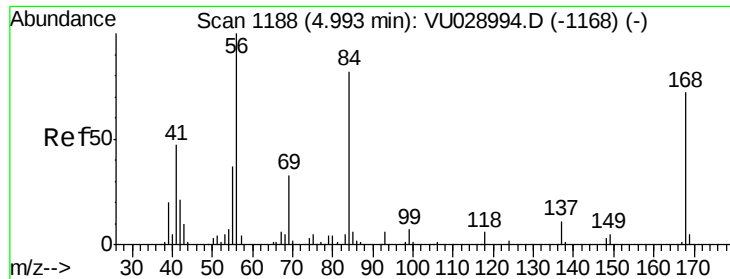
100

50

0

Time-->

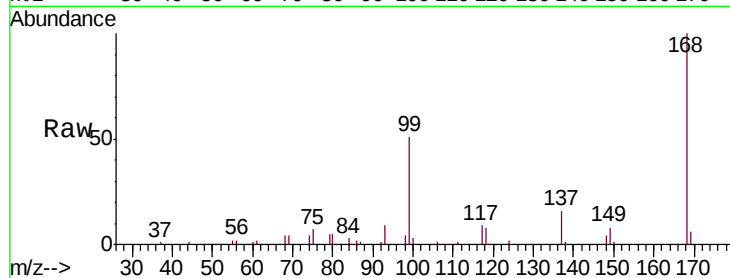




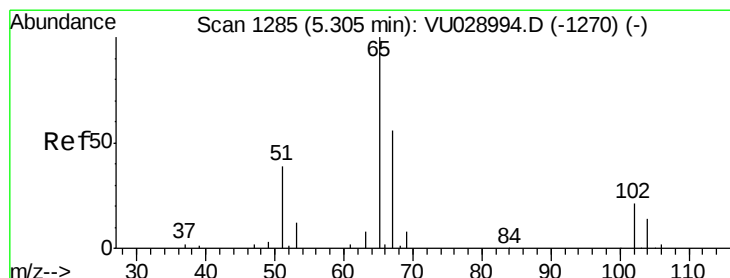
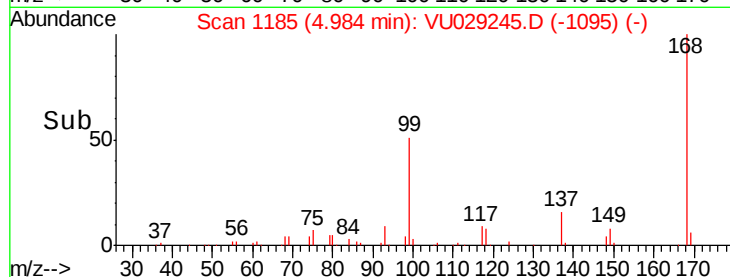
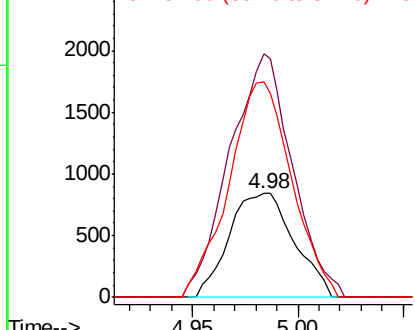
#31
Cyclohexane
Concen: Below Cal
RT: 4.98 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#05

Tgt Ion: 56 Resp: 1801
Ion Ratio Lower Upper
56 100
69 222.1 26.7 40.1#
84 207.3 65.7 98.5#

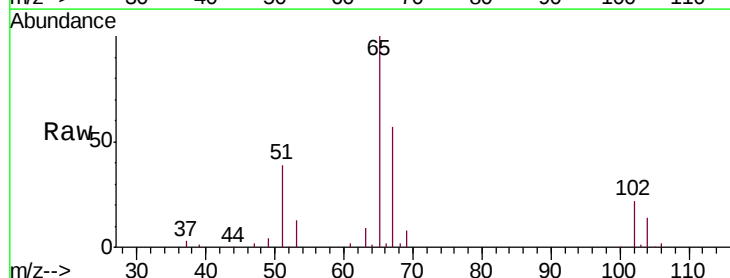


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

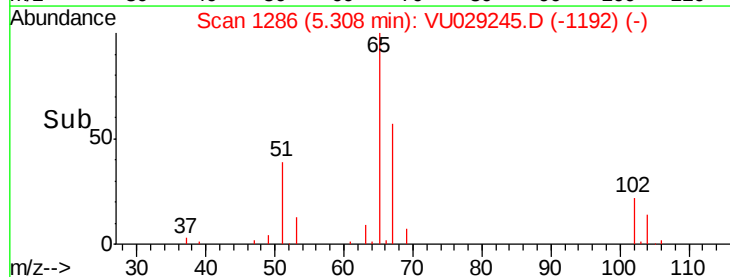
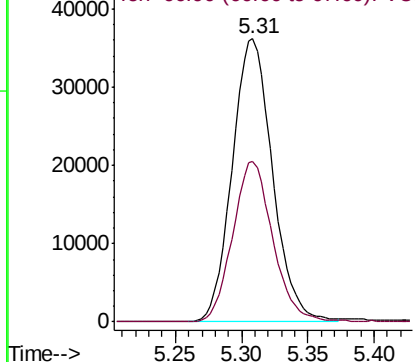


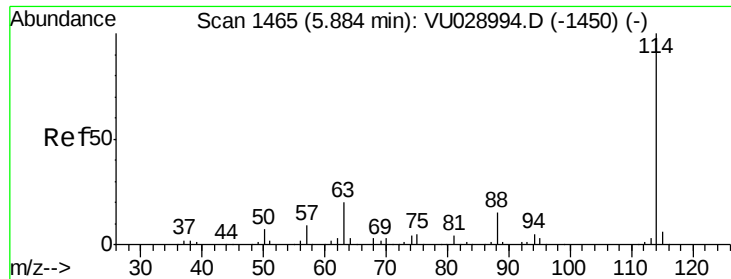
#33
1,2-Dichloroethane-d4
Concen: 54.184 ug/l
RT: 5.31 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

Tgt Ion: 65 Resp: 76485
Ion Ratio Lower Upper
65 100
67 56.2 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VU0
Ion 66.90 (66.60 to 67.60): VU0

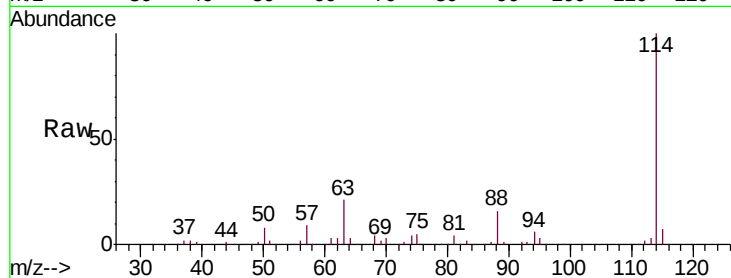




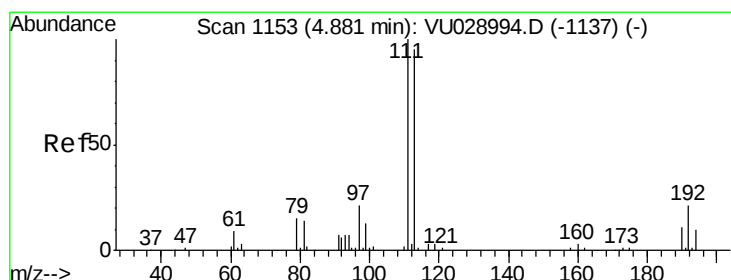
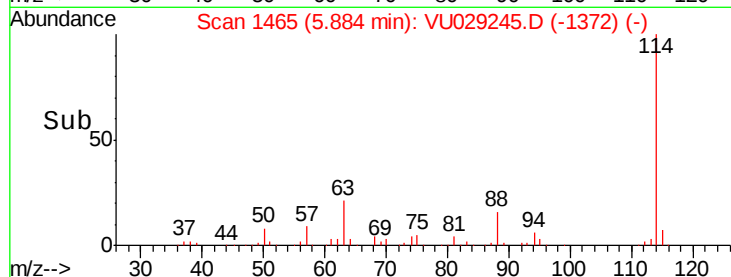
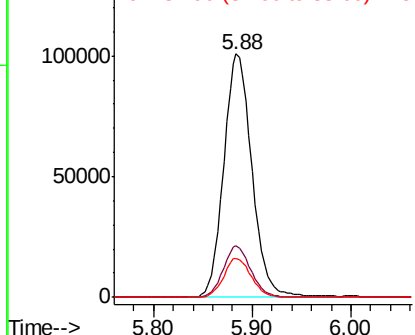
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.88 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#05

Tgt Ion:114 Resp: 202200
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.2
88 16.1 0.0 30.4

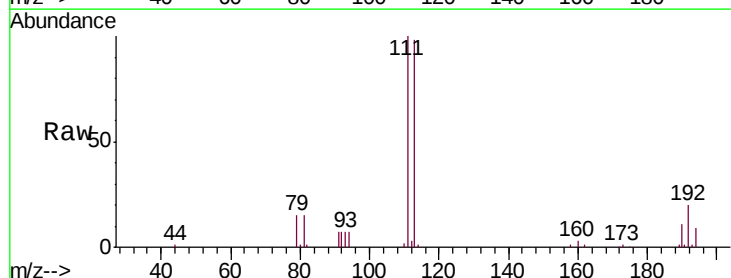


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VU0
Ion 87.90 (87.60 to 88.60): VU0

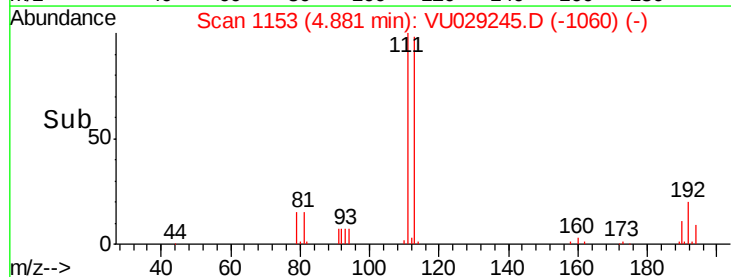
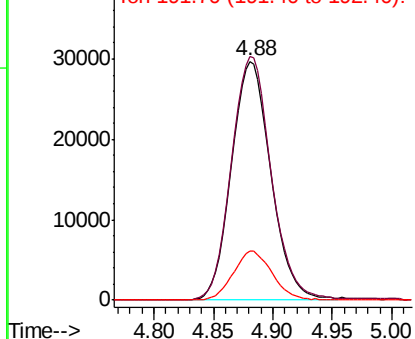


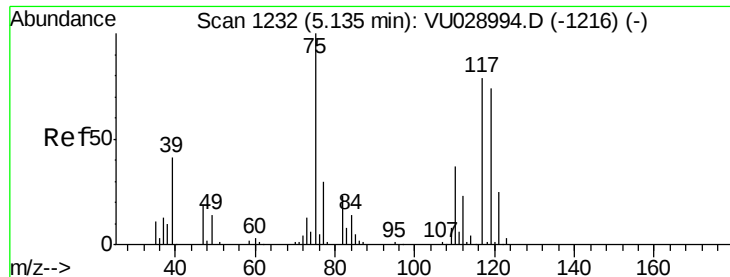
#35
Dibromofluoromethane
Concen: 52.045 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

Tgt Ion:113 Resp: 68217
Ion Ratio Lower Upper
113 100
111 103.2 81.4 122.2
192 20.3 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

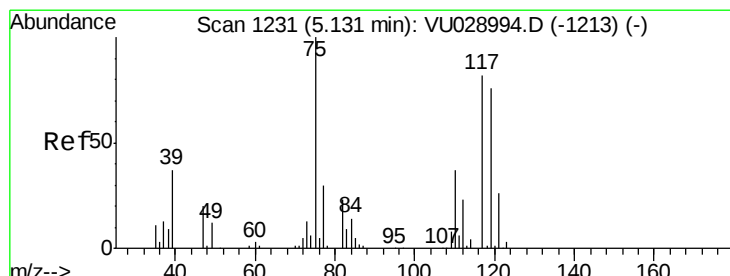
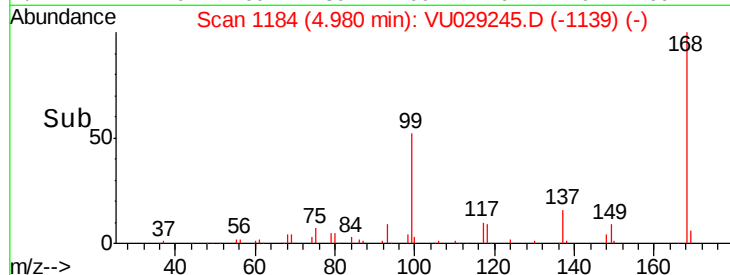
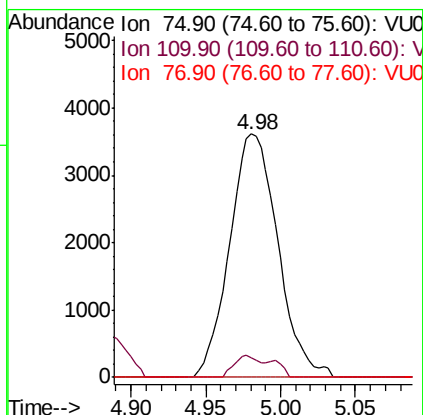
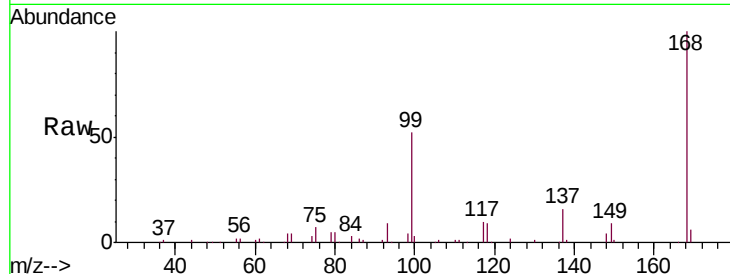




#36
 1,1-Dichloropropene
 Concen: 4.011 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029245.D
 Acq: 21 Jan 2019 13:44

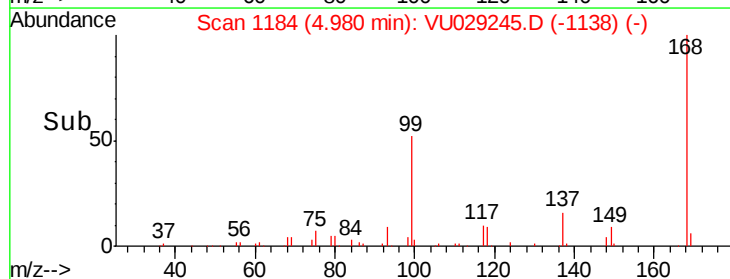
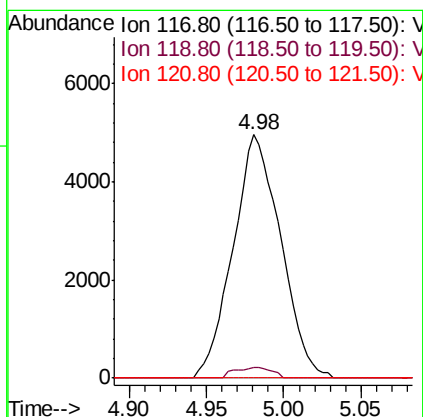
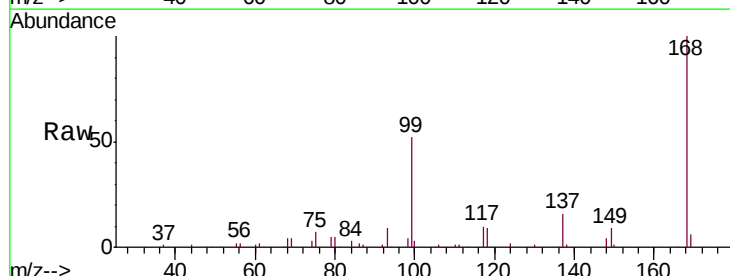
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#05

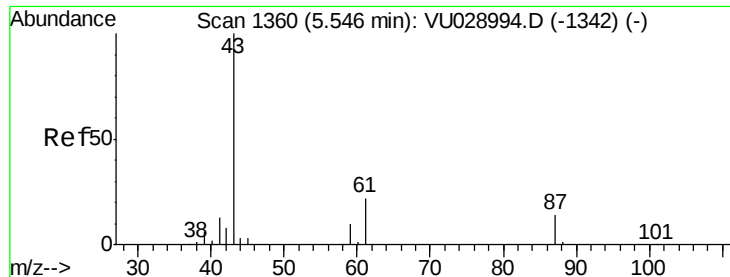
Tgt Ion: 75 Resp: 8106
 Ion Ratio Lower Upper
 75 100
 110 4.5 18.4 55.4#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 6.305 ug/l
 RT: 4.98 min Scan# 1184
 Delta R.T. -0.15 min
 Lab File: VU029245.D
 Acq: 21 Jan 2019 13:44

Tgt Ion: 117 Resp: 10629
 Ion Ratio Lower Upper
 117 100
 119 4.4 74.6 111.8#
 121 0.0 25.0 37.6#





#43

Isopropyl Acetate

Concen: 2.451 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#05

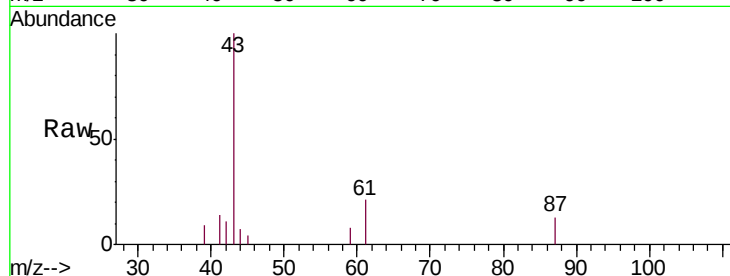
Tgt Ion: 43 Resp: 8342

Ion Ratio Lower Upper

43 100

61 18.7 17.8 26.6

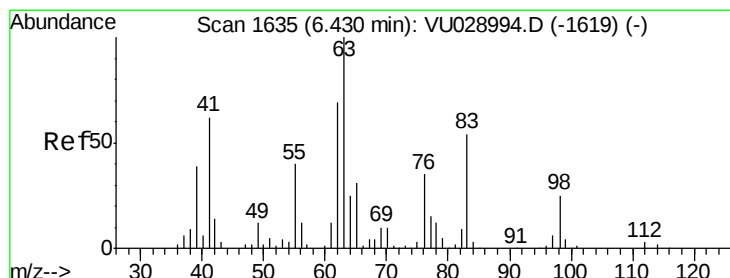
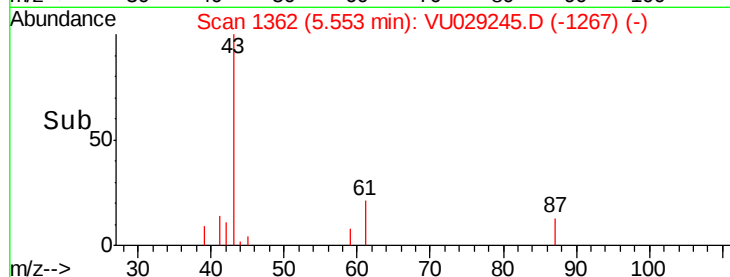
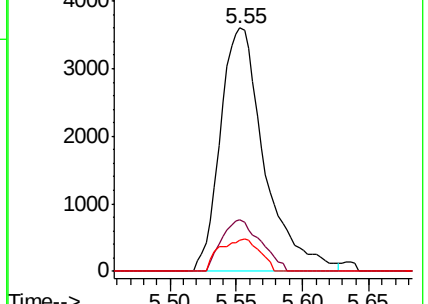
87 11.9 11.3 16.9



Abundance Ion 43.00 (42.70 to 43.70): VU029245.D (-1342) (-)

Ion 61.00 (60.70 to 61.70): VU029245.D (-1342) (-)

Ion 87.00 (86.70 to 87.70): VU029245.D (-1342) (-)



#45

1,2-Dichloropropane

Concen: 0.449 ug/l

RT: 6.70 min Scan# 1720

Delta R.T. 0.27 min

Lab File: VU029245.D

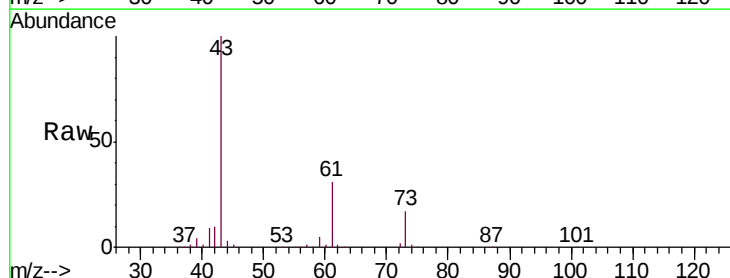
Acq: 21 Jan 2019 13:44

Tgt Ion: 63 Resp: 748

Ion Ratio Lower Upper

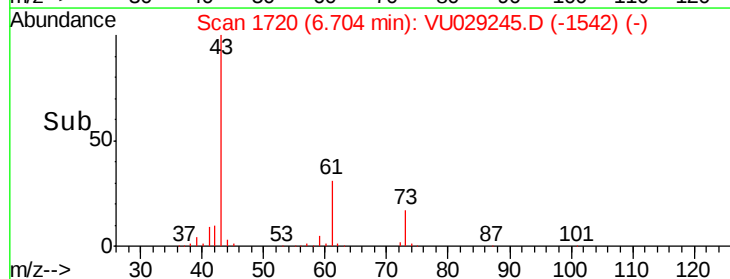
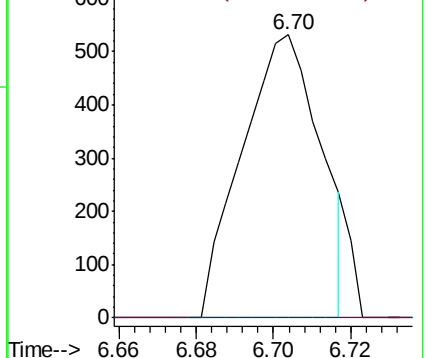
63 100

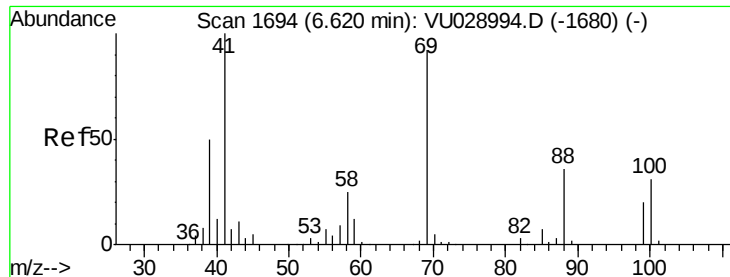
65 0.0 25.1 37.7#



Abundance Ion 62.90 (62.60 to 63.60): VU029245.D (-1542) (-)

Ion 64.90 (64.60 to 65.60): VU029245.D (-1542) (-)

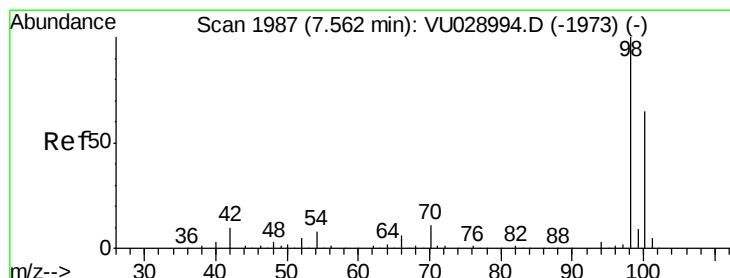
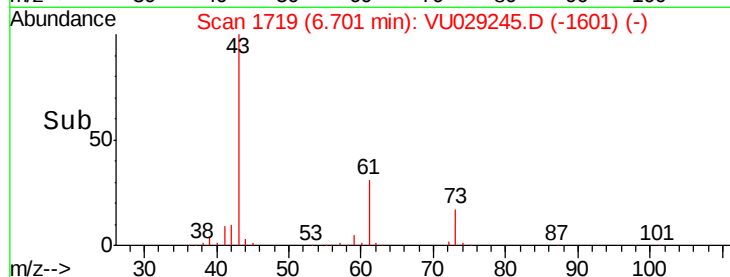
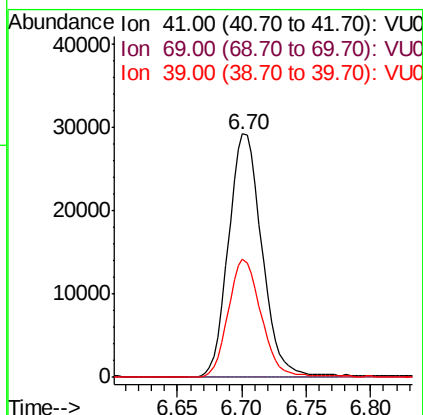
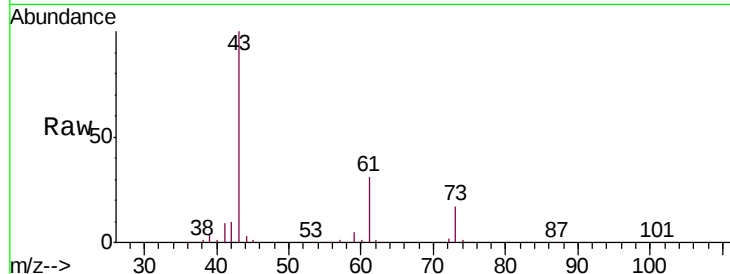




#48
Methyl methacrylate
Concen: 31.978 ug/l
RT: 6.70 min Scan# 1719
Delta R.T. 0.08 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

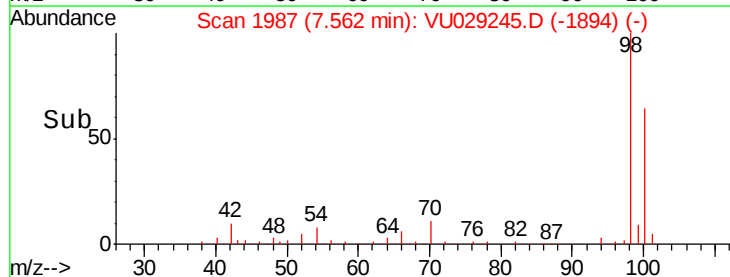
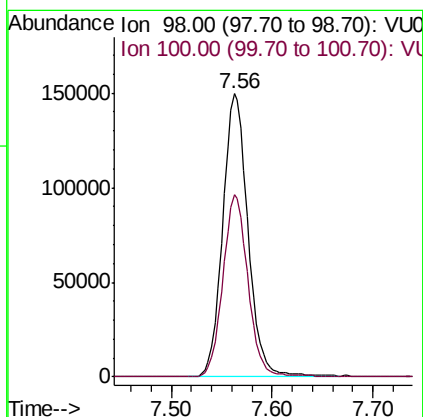
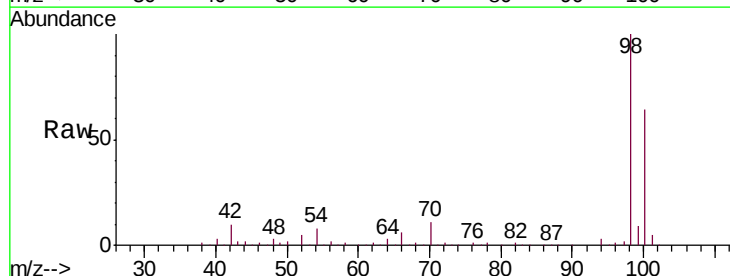
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#05

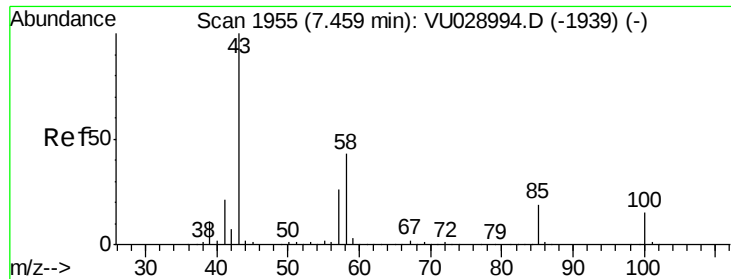
Tgt Ion: 41 Resp: 52989
Ion Ratio Lower Upper
41 100
69 0.0 73.6 110.4#
39 48.0 39.6 59.4



#50
Toluene-d8
Concen: 50.768 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

Tgt Ion: 98 Resp: 262701
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4

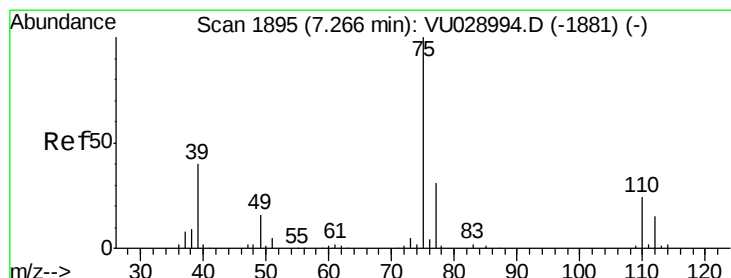
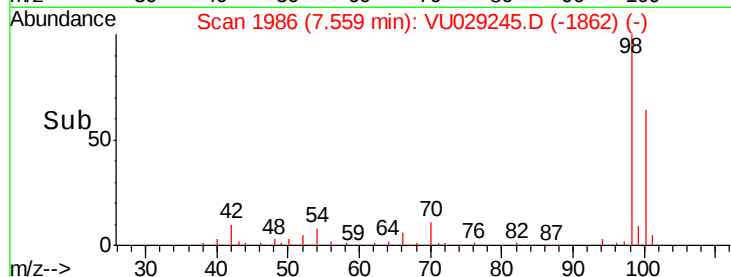
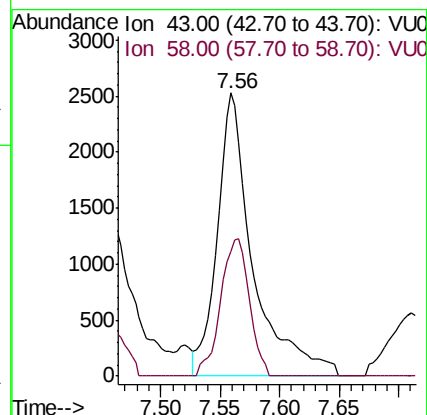
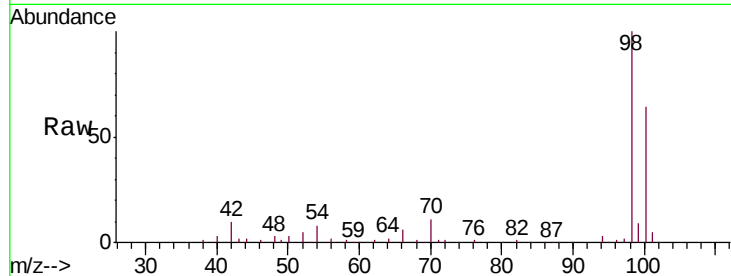




#51
4-Methyl-2-Pentanone
Concen: 2.269 ug/l
RT: 7.56 min Scan# 1986
Delta R.T. 0.10 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

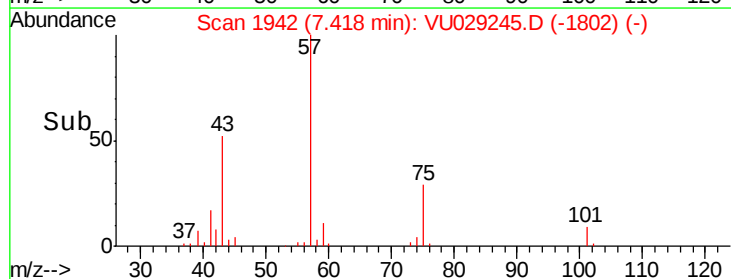
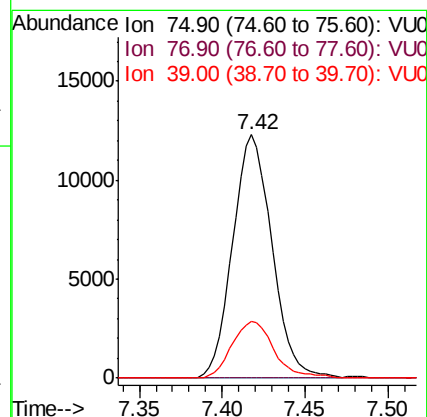
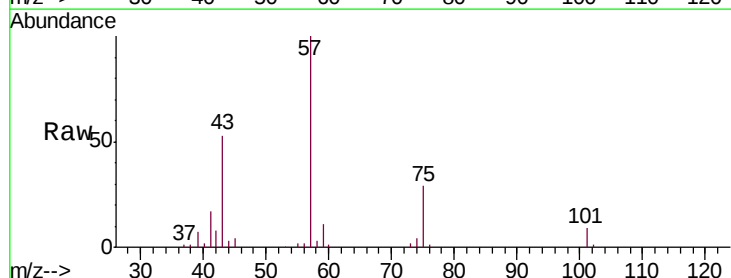
Instrument :
MSVOA_U
ClientSampleId :
PB116506ZHE#05

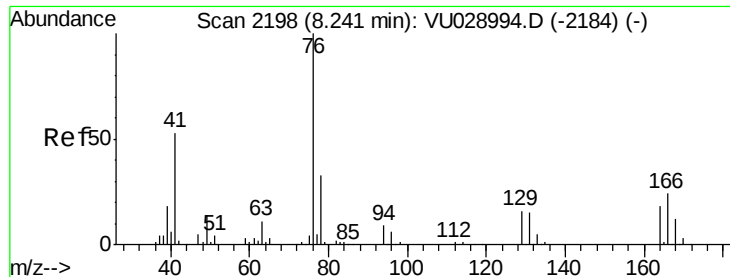
Tgt Ion: 43 Resp: 5255
Ion Ratio Lower Upper
43 100
58 38.9 33.9 50.9



#54
cis-1,3-Dichloropropene
Concen: 7.993 ug/l
RT: 7.42 min Scan# 1942
Delta R.T. 0.15 min
Lab File: VU029245.D
Acq: 21 Jan 2019 13:44

Tgt Ion: 75 Resp: 20329
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.6#
39 23.2 32.2 48.4#

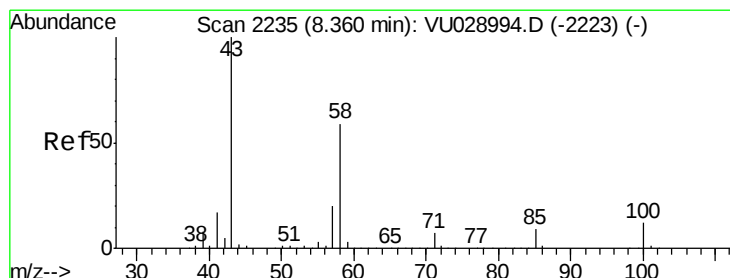
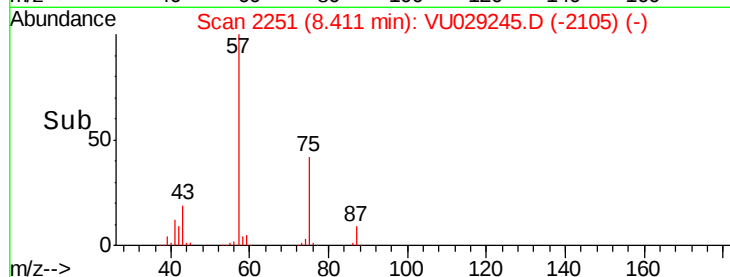
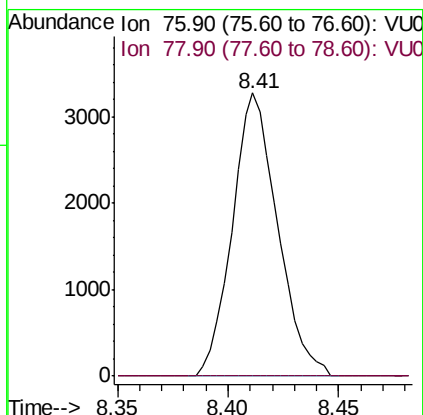
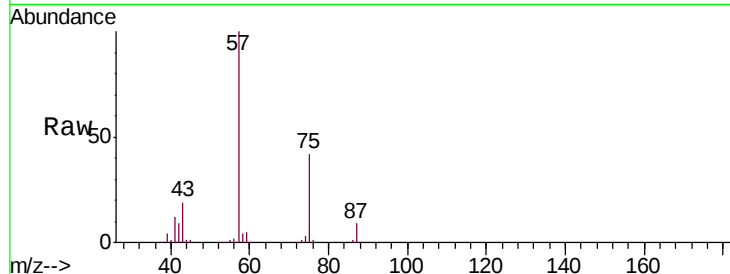




#57
 1,3-Dichloropropane
 Concen: 1.776 ug/l
 RT: 8.41 min Scan# 2251
 Delta R.T. 0.17 min
 Lab File: VU029245.D
 Acq: 21 Jan 2019 13:44

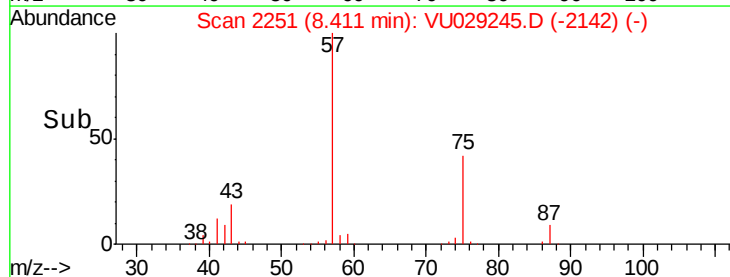
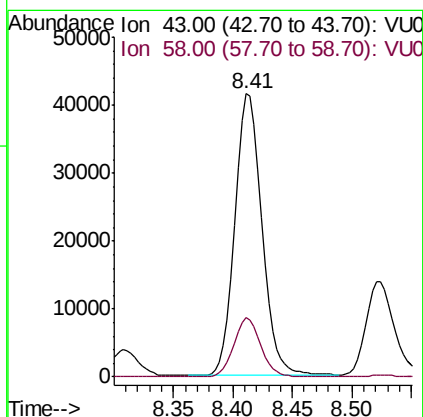
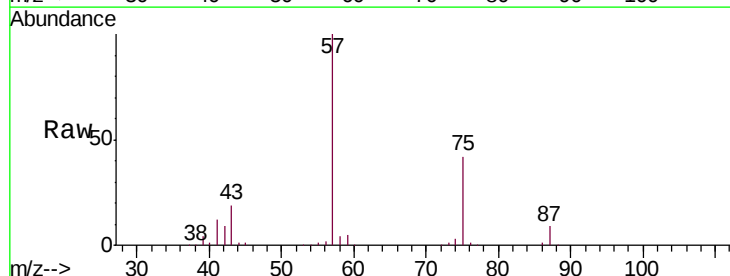
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#05

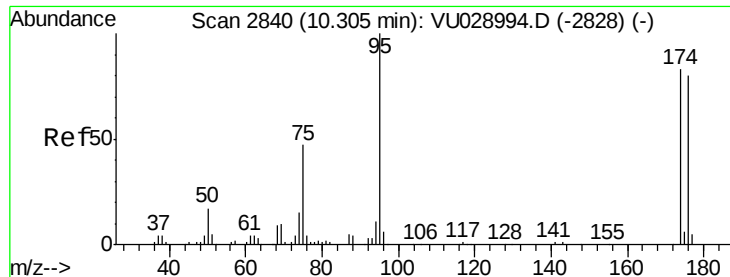
Tgt Ion: 76 Resp: 4672
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#



#59
 2-Hexanone
 Concen: 36.194 ug/l
 RT: 8.41 min Scan# 2251
 Delta R.T. 0.05 min
 Lab File: VU029245.D
 Acq: 21 Jan 2019 13:44

Tgt Ion: 43 Resp: 65800
 Ion Ratio Lower Upper
 43 100
 58 20.7 29.8 89.4#





#62

4-Bromofluorobenzene

Concen: 44.512 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#05

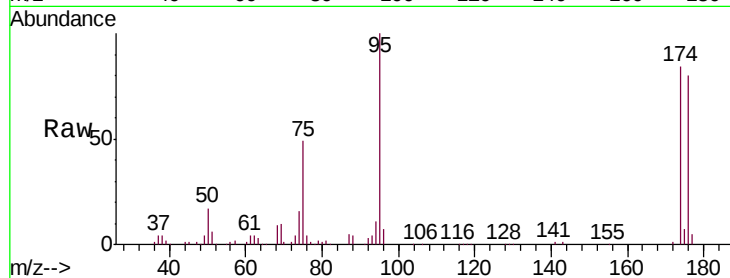
Tgt Ion: 95 Resp: 82776

Ion Ratio Lower Upper

95 100

174 85.9 0.0 170.6

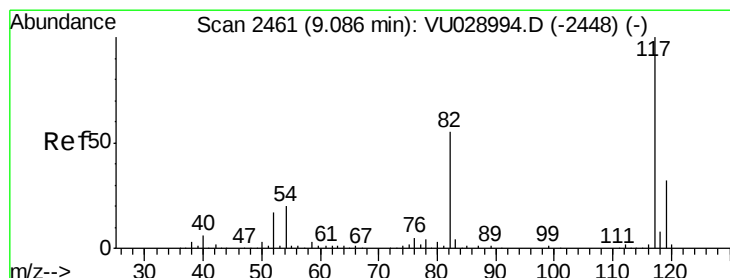
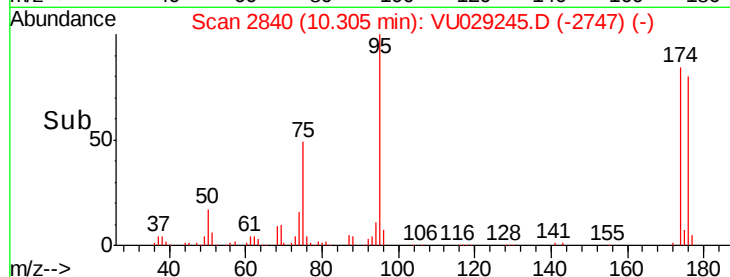
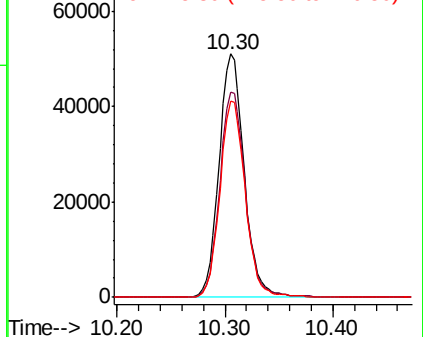
176 81.4 0.0 165.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

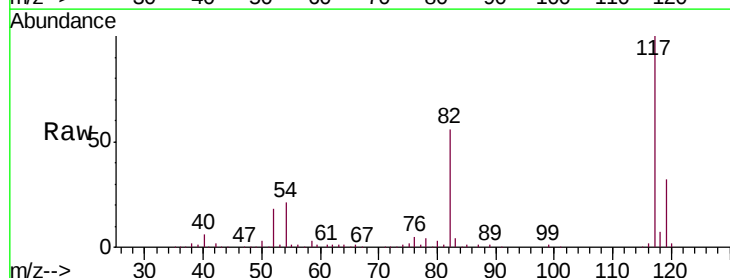
Tgt Ion: 117 Resp: 190726

Ion Ratio Lower Upper

117 100

82 56.4 43.9 65.9

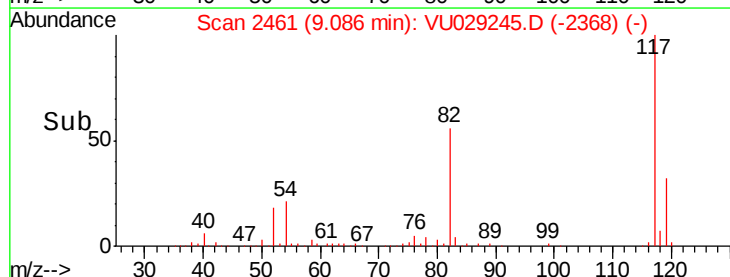
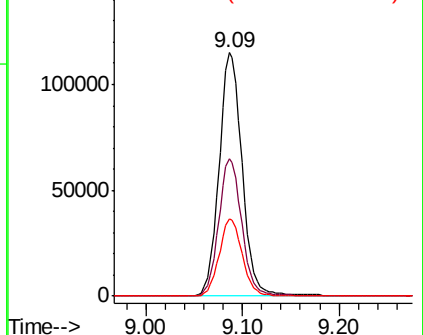
119 31.5 26.0 39.0

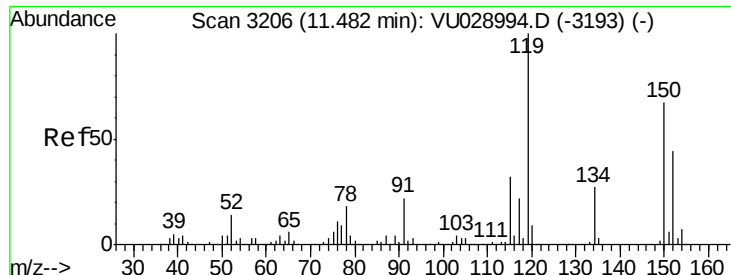


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VU0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.48 min Scan# 3206

Delta R.T. 0.00 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#05

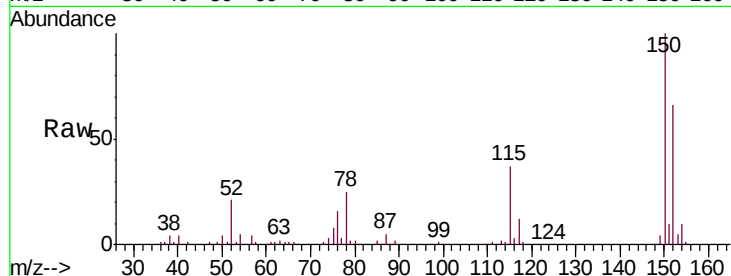
Tgt Ion:152 Resp: 76286

Ion Ratio Lower Upper

152 100

115 58.3 40.1 120.3

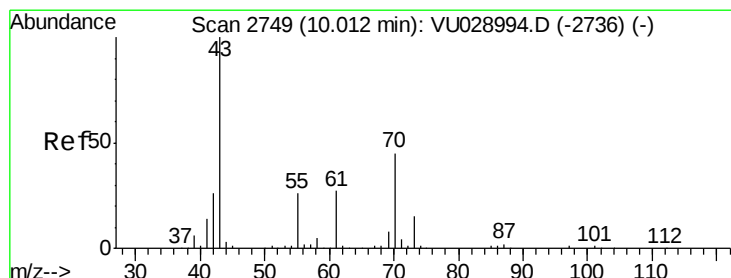
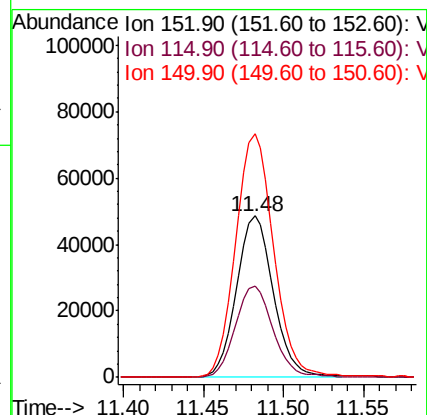
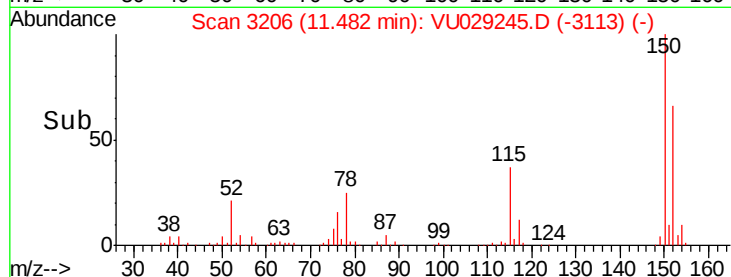
150 155.7 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 2.465 ug/l

RT: 9.76 min Scan# 2672

Delta R.T. -0.25 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

Tgt Ion: 43 Resp: 5998

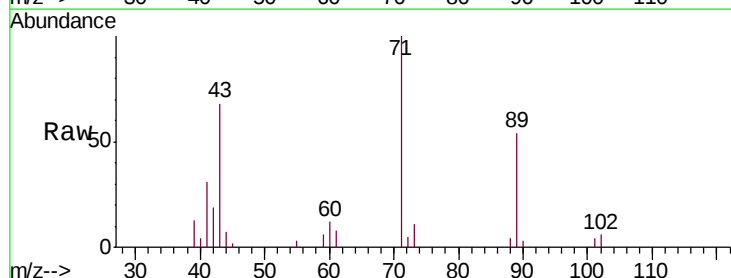
Ion Ratio Lower Upper

43 100

70 0.0 36.3 54.5#

55 3.5 20.5 30.7#

61 11.3 21.8 32.8#

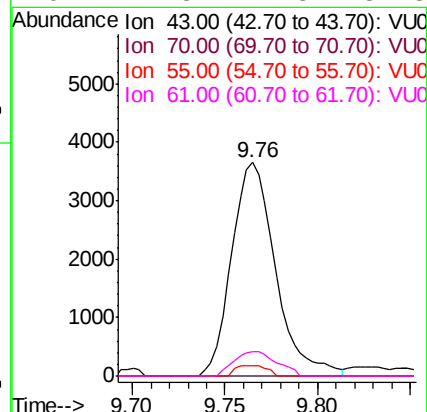
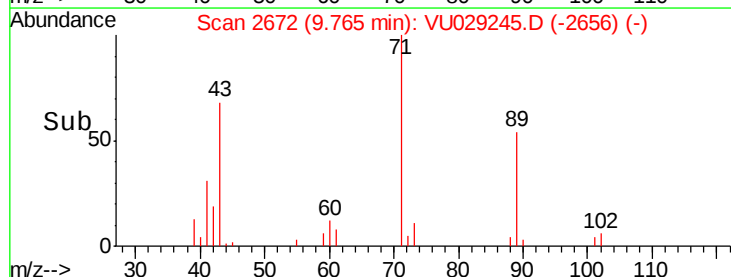


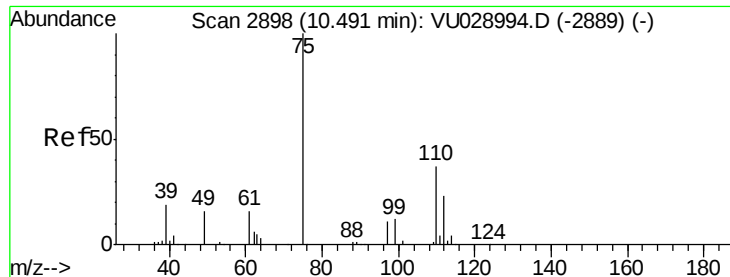
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

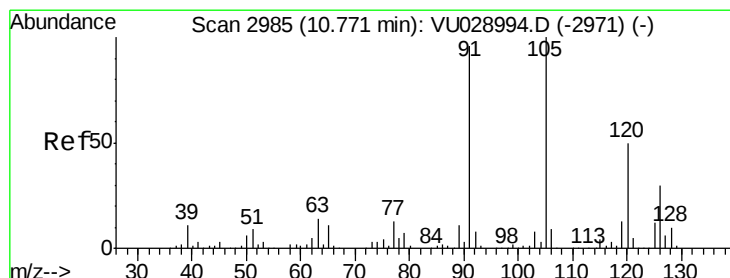
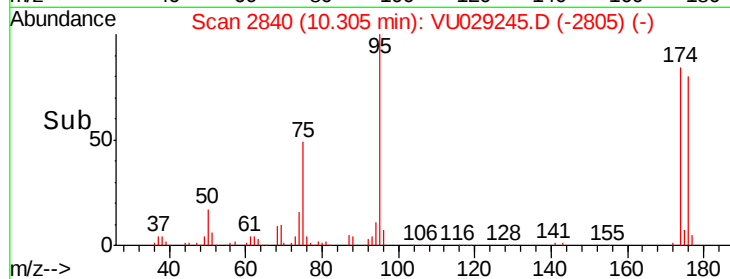
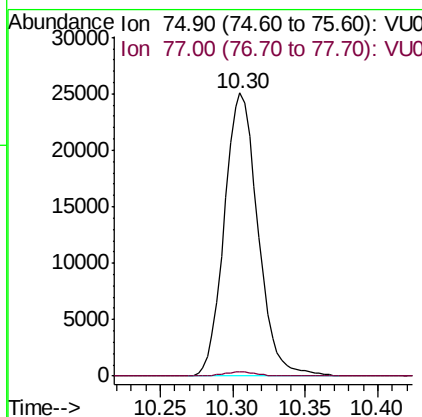
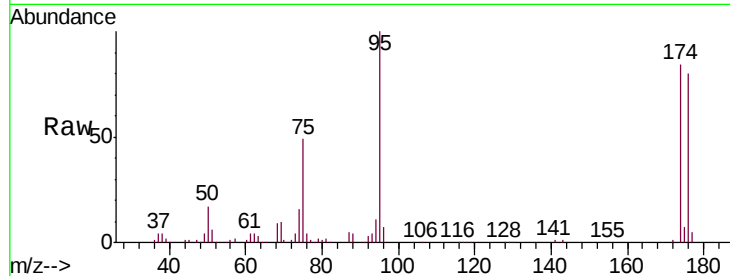




#76
 1,2,3-Trichloropropane
 Concen: 21.536 ug/l
 RT: 10.30 min Scan# 2840
 Delta R.T. -0.19 min
 Lab File: VU029245.D
 Acq: 21 Jan 2019 13:44

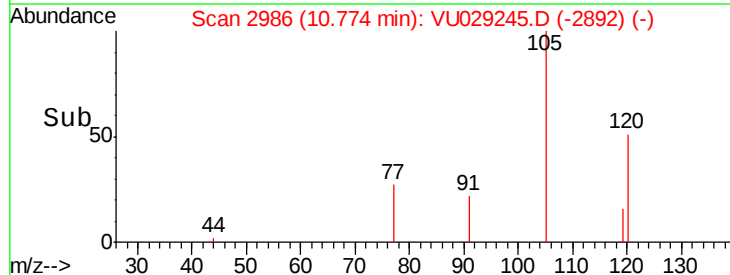
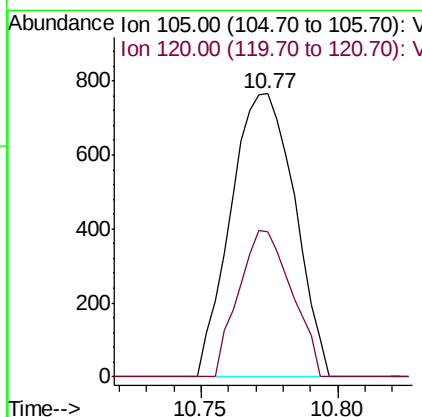
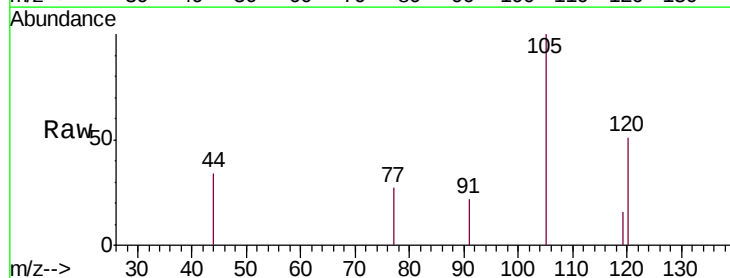
Instrument :
 MSVOA_U
 ClientSampleId :
 PB116506ZHE#05

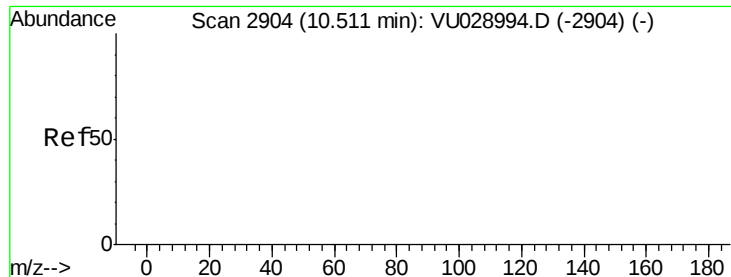
Tgt Ion: 75 Resp: 40254
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.9 62.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.264 ug/l
 RT: 10.77 min Scan# 2986
 Delta R.T. 0.00 min
 Lab File: VU029245.D
 Acq: 21 Jan 2019 13:44

Tgt Ion: 105 Resp: 1246
 Ion Ratio Lower Upper
 105 100
 120 43.1 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 55.543 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. -0.21 min

Lab File: VU029245.D

Acq: 21 Jan 2019 13:44

Instrument :

MSVOA_U

ClientSampleId :

PB116506ZHE#05

Tgt Ion: 75 Resp: 40254

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0

89 0.0 0.0 0.0

